

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A method, comprising:
acquiring test data from a testing device;
loading at least a portion of the test data to a cache onto a device under test;
processing the portion of the test data in the cache on the device under test; and
intercepting requests associated with other data falling outside of the cache by a pseudo bus agent to emulate a bus operation for an intercepted request, wherein the emulated bus operation reflects a test associated with a cache page operation of the cache.
2. (Currently Amended) The method of claim 1 wherein acquiring ~~providing~~ further includes deterministically or randomly generating the ~~pseudo~~-test data by the pseudo bus agent.
3. (Currently Amended) The method of claim 1 wherein ~~providing~~ ~~includes~~ acquiring further includes acquiring the ~~pseudo~~ test data by selecting a data source within the device under test.
4. (Original) The method of claim 1 further comprising compressing results associated with the processing and the intercepting on the device under test.
5. (Original) The method of claim 4 further providing the compressed results to the testing device by the device under test.
6. (Original) The method of claim 4 wherein compressing includes representing the compressed results as a digital signature for the test data.
7. (Currently Amended) A method, comprising:

sending test data to a device under test;
receiving from the device under test a signature associated with results of the test data,
wherein at least a portion of the results is associated with testing an emulation of a cache paging operation associated with a cache of the device under test; and
validating the signature against an expected signature.

8. (Original) The method of claim 7, further comprising using a pseudo bus agent, by the device under test, to emulate data traffic on a bus of the device under test when the test data is processed on the device under test.

9. (Original) The method of claim 7, further comprising storing, by the device under test, at least a portion of the test data in a cache on the device under test.

10. (Currently Amended) The method of claim 9 wherein storing includes servicing requests, by the pseudo bus agent, for other data residing outside the cache by providing responses back to the cache ~~a pseudo bus agent that~~.

11. (Original) The method of claim 7 wherein receiving includes representing the signature as a compressed version of the results.

12. (Currently Amended) A system, comprising:

a cache;

a pseudo bus agent; and

a processor for executing instructions associated with test data in the cache;

wherein the test data is received from a testing device and the pseudo bus agent emulates responses from a bus as if the responses had originated from the bus during the execution of the test data, and wherein at least one response emulated reflects a cache page operation associated with the cache.

13. (Original) The system of claim 12 wherein the pseudo bus agent generates deterministic or random data to emulate the responses from the bus.

14. (Original) The system of claim 12 wherein the pseudo bus agent selects data from a variety of data sources to emulate the responses from the bus.

15. (Original) The system of claim 12 wherein processor logic generates a signature for test data results.

16. (Original) The system of claim 12 wherein the bus is in communication with the testing device.

17. (Original) The system of claim 12 wherein the test data includes instruction data.

18. (Currently Amended) A machine accessible medium having associated data, which when accessed, results in a machine performing:

receiving a request for data on the bus in order to service a cache of the machine;

generating pseudo data in response to the request, wherein at least a portion of the pseudo data reflects a response for testing a cache page operation associated with the cache of the machine; and

providing the pseudo data in the cache to satisfy the request.

19. (Original) The medium of claim 18, wherein the data further includes data, which when accessed, results in the machine performing: acquiring the pseudo data from another resource of the machine.

20. (Original) The medium of claim 18, wherein the data further includes data, which when accessed, results in the machine performing: deterministically or randomly generating the pseudo data in the machine.

21. (Original) The medium of claim 18, wherein the data further includes data, which when accessed, results in the machine performing: representing the pseudo data as a return value associated with a write operation request.
22. (Original) The medium of claim 18, wherein the data further includes data, which when accessed, results in the machine performing: representing the pseudo data in a format expected by the request having a pseudo data value that represents a deterministic or random data value associated with a read operation request.
23. (Original) The medium of claim 18, wherein the data further includes data, which when accessed, results in the machine performing: using the pseudo data to emulate a bus transaction over the bus.
24. (Currently Amended) An apparatus comprising:
a cache for a device under test (DUT); and
a pseudo bus agent (PBA);
wherein the cache houses instructions for testing the DUT and the PBA services requests generated by a number of executing instructions when bus transactions are needed, the PBA services the requests by emulating the corresponding bus transactions and provides emulated results back to the cache, wherein a least a portion of the results reflects an emulated one of the bus transactions associated with a cache page operation of the cache.
25. (Original) The apparatus of claim 24 wherein the emulated results are compressed into a signature.
26. (Original) The apparatus of claim 25 wherein the DUT sends the signature to a tester when testing is complete for verification.